Volume 14 February–November 1988
Numbers 1–4

Published quarterly
by the
American Psychological
Association

Journal of Experimental Psychology:

Human Perception and Performance

William Epstein, Editor
University of Wisconsin—Madison

William P. Banks, Associate Editor
Pomona College and Claremont Graduate School

Carol A. Fowler, Associate Editor
Dartmouth College

ISSN 0096-1523

Copyright 1988 by the American Psychological Association, Inc.
1200 Seventeenth Street, N.W., Washington, D. C. 20036

Consulting Editors

Donald E. Broadbent, *Oxford University, England*
Thomas Carr, *Michigan State University*
James E. Cutting, *Cornell University*
Randy L. Diehl, *University of Texas—Austin*
Wendell R. Garner, *Yale University*
Ralph N. Haber, *University of Illinois—Chicago*
Joseph B. Hellige, *University of Southern California—Los Angeles*
Steven A. Hillyard, *University of California—San Diego*
Julian Hochberg, *Columbia University*
William Johnston, *University of Utah*
J. A. Scott Kelso, *Florida Atlantic University*
Raymond M. Klein, *Dalhousie University, Canada*
Carol L. Krumhansl, *Cornell University*
Joseph Lappin, *Vanderbilt University*
Gordon D. Logan, *University of Illinois—Champaign*
Lola L. Lopes, *University of Wisconsin—Madison*
Lawrence E. Marks, *Yale University*
Jeff Miller, *University of California—San Diego*
Gregg C. Oden, *University of Wisconsin*
Kenneth Paap, *New Mexico State University*
James R. Pomerantz, *State University of New York—Buffalo*
Keith Rayner, *University of Massachusetts*
Roger Remington, *NASA—Ames Research Center, Moffett Field, California*
David A. Rosenbaum, *University of Massachusetts—Amherst*
Sverker Runeson, *Uppsala University, Sweden*
James R. Sawusch, *State University of New York—Buffalo*
Richard Schmidt, *University of California—Los Angeles*
Justine Sergent, *McGill University, Canada*
James Todd, *Brandeis University*
Anne Treisman, *University of California—Berkeley*
Christopher Wickens, *University of Illinois*
Alan Wing, *MRC Applied Psychology Unit, Cambridge, England*
Assistant to the Editor: Karen J. Kreiser

APA Journal Staff

Susan Knapp
Executive Editor

Jennie Ruby
Manager, Primary Journals

Aija Ozolins
Production Editor

Leslie A. Cameron
Director, Journals Program

Jodi Ashcraft
Advertising Sales Manager

Author Index to Volume 14

Key to Pagination

Issue No.	*Month*	*Pages*
1	February	1–162
2	May	163–330
3	August	331–000
4	November	545–746

ARTICLES

Abrams, Richard A., and Jonides, John—Programming Saccadic Eye Movements 428

Benedetti, Fabrizio—Localization of Tactile Stimuli and Body Parts in Space: Two Dissociated Perceptual Experiences Revealed by a Lack of Constancy in the Presence of Position Sense and Motor Activity 69
Besner, Derek—*see* McCann, Robert S.
Best, Catherine T., McRoberts, Gerald W., and Sithole, Nomathemba M.—Examination of Perceptual Reorganization for Nonnative Speech Contrasts: Zulu Click Discrimination by English-Speaking Adults and Infants 345
Bethell-Fox, Charles E., and Shepard, Roger N.—Mental Rotation: Effects of Stimulus Complexity and Familiarity .. 12
Bissett, Randall—*see* Schneider, Bruce
Blank, Hartmut—*see* Gigerenzer, Gerd
Bloch, Michael I.—*see* Hellige, Joseph B.
Bock, J. Kathryn—*see* Kelly, Michael H.
Braunstein, Myron L., and Tittle, James S.—The Observer-Relative Velocity Field as the Basis for Effective Motion Parallax 591
Brown, Joseph S., McDonald, Janet L., Brown, Tracy L., and Carr, Thomas H.—Adapting to Processing Demands in Discourse Production: The Case of Handwriting 45
Brown, Tracy L.—*see* Brown, Joseph S.
Budescu, David V., Weinberg, Shalva, and Wallsten, Thomas S.—Decisions Based on Numerically and Verbally Expressed Uncertainties 281
Buffart, Hans—*see* van Leeuwen, Cees
Bundesen, Claus—*see* Shibuya, Hitomi
Butler, B. E.—*see* Mewhort, D. J. K.

Carden, Guy—*see* Levitt, Andrea
Carlton, Les G., and Newell, K. M.—Force Variability and Movement Accuracy in Space–Time 24
Carlton, Les G.—*see* Newell, K. M.
Carr, Thomas H.—*see* Brown, Joseph S.
Castellan, N. John, Jr.—*see* Hirt, Edward R.
Chambers, Deborah—*see* Gillam, Barbara
Cohen, Asher—*see* Keele, Steven W.
Cohen, Michèle, and Jaffray, Jean-Yves—Certainty Effect Versus Probability Distortion: An Experimental Analysis of Decision Making Under Risk 554
Coles, Michael G. H.—*see* Gratton, Gabriele
Craik, Fergus I. M.—*see* McDowd, Joan M.
Cutler, Anne, and Norris, Dennis—The Role of Strong Syllables in Segmentation for Lexical Access 113
Cutting, James E.—Affine Distortions of Pictorial Space: Some Predictions for Goldstein (1987) That La Gournerie (1859) Might Have Made 305
Cutting, James E.—Editorial 322

Dafoe, Cameron G.—*see* Friedman, Alinda
Davelaar, Eileen—*see* McCann, Robert S.
De Graaf, Cees, and Frijters, Jan E. R.—Assessment of the Taste Interaction Between Two Qualitatively Similar-Tasting Substances: A Comparison Between Comparison Rules 526
de Jong, Ritske, Wierda, Marcel, Mulder, Gijsbertus, and Mulder, Lambertus J. M.—Use of Partial Stimulus Information in Response Processing 682
Dexter, Emily R.—*see* Miller, Joanne L.
Di Lollo, Vincent, and Dixon, Peter—Two Forms of Persistence in Visual Information Processing 671
Dixon, Peter—*see* Di Lollo, Vincent
Donchin, Emanuel—*see* Gratton, Gabriele
Downing, Cathryn J.—Expectancy and Visual–Spatial Attention: Effects on Perceptual Quality 188
Duffy, Susan A.—*see* Fisher, Donald L.

Egeth, Howard E.—*see* Pringle, Richard
Eriksen, Charles W.—*see* Gratton, Gabriele

Farell, Bart—Comparison Requirements and Attention in Identical–Nonidentical Stimulus Discriminations 707
Feldman-Stewart, D.—*see* Mewhort, D. J. K.
Ferraro, F. Richard—*see* Kellas, George
Fisher, Donald L., Duffy, Susan A., Young, Christopher, and Pollatsek, Alexander—Understanding the Central Processing Limit in Consistent-Mapping Visual Search Tasks 253
Friedman, Alinda, Polson, Martha Campbell, and Dafoe, Cameron G.—Dividing Attention Between the Hands and the Head: Performance Trade-Offs Between Rapid Finger Tapping and Verbal Memory 60
Frijters, Jan E. R.—*see* De Graaf, Cees

Garbin, Calvin P.—Visual–Haptic Perceptual Nonequivalence for Shape Information and Its Impact Upon Cross-Modal Performance 547
Gigerenzer, Gerd, Hell, Wolfgang, and Blank, Hartmut—Presentation and Content: The Use of Base Rates as a Continuous Variable 513
Gillam, Barbara, Chambers, Deborah, and Russo, Thomas—Postfusional Latency in Stereoscopic Slant Perception and the Primitives of Stereopsis 163
Goldstein, E. Bruce—Geometry or Not Geometry? Perceived Orientation and Spatial Layout in Pictures Viewed at an Angle 312
Gratton, Gabriele, Coles, Michael G. H., Sirevaag, Erik J., Eriksen, Charles W., and Donchin, Emanuel—Pre- and Poststimulus Activation of Response Channels: A Psychophysiological Analysis 331

Hah, Sehchang—*see* Jagacinski, Richard J.

Handel, Stephen—No One Analogy Is Sufficient: Rejoinder to Kubovy 321
Handel, Stephen—Space Is to Time as Vision Is to Audition: Seductive but Misleading 315
Hartka, Elizabeth—*see* Mellers, Barbara
Hell, Wolfgang—*see* Gigerenzer, Gerd
Hellige, Joseph B., Bloch, Michael I., and Taylor, Annette Kujawski—Multitask Investigation of Individual Differences in Hemispheric Asymmetry 176
Heuer, Herbert, and Schmidt, Richard A.—Transfer of Learning Among Motor Patterns With Different Relative Timing 241
Hirt, Edward R., and Castellan, N. John, Jr.—Probability and Category Redefinition in the Fault Tree Paradigm 122
Hughes, Howard—*see* Wolford, George
Humphreys, Glyn W., and Quinlan, Philip T.—Priming Effects Between Two-Dimensional Shapes 203

Ivry, Richard—*see* Keele, Steven W.

Jaffray, Jean-Yves—*see* Cohen Michèle
Jagacinski, Richard J., and Hah, Sehchang—Progression–Regression Effects in Tracking Repeated Patterns 77
Jonides, John—*see* Abrams, Richard A.
Jusczyk, Peter W.—*see* Levitt, Andrea

Kalish, Michael—*see* Warren, William H., Jr.
Keele, Steven W., Cohen, Asher, Ivry, Richard, Liotti, Mario, and Yee, Penny— Tests of a Temporal Theory of Attentional Binding 444
Kellas, George, Ferraro, F. Richard, and Simpson, Greg B.—Lexical Ambiguity and the Timecourse of Attentional Allocation in Word Recognition 601
Kelly, Michael H., and Bock, J. Kathryn—Stress in Time ... 389
Kubovy, Michael— Should We Resist the Seductiveness of the Space:Time::Vision:Audition Analogy? 318

Lachnit, Harald—Convergent Validation of Information Processing Constructs with Pavlovian Methodology 143
Leeuwenberg, Emanuel L. J.—*see* Mens, Lucas H. M.
Levitt, Andrea, Jusczyk, Peter W., Murray, Janice, and Carden, Guy—Context Effects in Two-Month-Old Infants' Perception of Labiodental/Interdental Fricative Contrasts 361
Liotti, Mario—*see* Keele, Steven W.

Marchak, Frank—*see* Wolford, George
Martindale, Colin, and Moore, Kathleen—Priming, Prototypicality, and Preference 661
McCabe, George P.—*see* Zelaznik, Howard N.
McCann, Robert S., Besner, Derek, and Davelaar, Eileen—Word Recognition and Identification: Do Word-Frequency Effects Reflect Lexical Access? 693
McDonald, Janet L.—*see* Brown, Joseph S.
McDowd, Joan M., and Craik, Fergus I. M.—Effects of Aging and Task Difficulty on Divided Attention Performance . 267
McRoberts, Gerald W.—*see* Best, Catherine T.
Mellers, Barbara, and Hartka, Elizabeth—Fair Selection Decisions 572
Mens, Lucas H. M., and Leeuwenberg, Emanuel L. J.—Hidden Figures Are Ever Present 561
Merikle, Philip M.—*see* Paquet, Lise
Metzler, Douglas—*see* Shepard, Shenna
Mewhort, D. J. K., Butler, B. E., Feldman-Stewart, D., and Tramer, Sara—"Iconic Memory," Location Information, and the Bar-Probe Task: A Reply to Chow (1986) 729
Michaels, Claire F.—S–R Compatibility Between Response Position and Destination of Apparent Motion: Evidence of the Detection of Affordances 231
Miller, Jeff—A Warning About Median Reaction Time 539
Miller, Jeff—Components of the Location Probability Effect in Visual Search Tasks 453
Miller, Joanne L., and Dexter, Emily R.—Effects of Speaking Rate and Lexical Status on Phonetic Perception 369
Mone, Susan—*see* Zelaznik, Howard N.
Moore, Kathleen—*see* Martindale, Colin
Morris, Michael W.—*see* Warren, William H., Jr.
Mulder, Gijsbertus—*see* de Jong, Ritske
Mulder, Lambertus J. M.—*see* de Jong, Ritske
Murray, Janice—*see* Levitt, Andrea

Newell, K. M., and Carlton, Les G.—Force Variability in Isometric Responses 37
Newell, K. M.—*see* Carlton, Les G.
Nimmo-Smith, Ian—*see* Wann, John
Norris, Dennis—*see* Cutler, Anne

Paquet, Lise, and Merikle, Philip M.—Global Precedence in Attended and Nonattended Objects 89
Pollatsek, Alexander—*see* Fisher, Donald L.
Polson, Martha Campbell—*see* Friedman, Alinda
Pringle, Richard, and Egeth, Howard E.—Mental Curve Tracing With Elementary Stimuli 716

Quinlan, Philip T.—*see* Humphreys, Glyn W.

Rönnqvist, Louise—*see* von Hofsten, Claes
Rose, Debra J.—Choosing Between-Movement Sequences: Effect of Response-Choice Similarity on the Underlying Programming Operations 638
Runeson, Sverker—The Distorted Room Illusion, Equivalent Configurations, and the Specificity of Static Optic Arrays 295
Russo, Thomas—*see* Gillam, Barbara

Samuel, Arthur G.—Central and Peripheral Representation of Whispered and Voiced Speech 379
Sanocki, Thomas—Font Regularity Constraints on the Process of Letter Recognition 472
Schmidt, Richard A.—*see* Heuer, Herbert
Schneider, Bruce, and Bissett, Randall—"Ratio" and "Difference" Judgments for Length, Area, and Volume: Are There Two Classes of Sensory Continua? 503
Shepard, Roger N.—*see* Bethell-Fox, Charles E.
Shepard, Shenna, and Metzler, Douglas—Mental Rotation: Effects of Dimensionality of Objects and Type of Task .. 3
Shibuya, Hitomi, and Bundesen, Claus—Visual Selection From Multielement Displays: Measuring and Modeling Effects of Exposure Duration 591
Simpson, Greg B.—*see* Kallas, George
Sirevaag, Erik J.—*see* Gratton, Gabriele
Sithole, Nomathemba M.—*see* Best, Catherine T.

Solomon, H. Yosef, and Turvey, M. T.—Haptically Perceiving the Distances Reachable With Hand-Held Objects 404

Taylor, Annette Kujawski—*see* Hellige, Joseph B.
Thaman, Christopher—*see* Zelaznik, Howard N.
Tittle, James S.—*see* Braunstein, Myron L.
Tramer, Sara—*see* Mewhort, D. J. K.
Turvey, M. T.—*see* Solomon, H. Yosef

van der Vegt, Jantien—*see* van Leeuwen, Cees
van Leeuwen, Cees, Buffart, Hans, and van der Vegt, Jantien—Sequence Influence on the Organization of Meaningless Serial Stimuli: Economy After All 481
von Hofsten, Claes, and Rönnqvist, Louise—Preparation for Grasping an Object: A Developmental Study 610

Wallsten, Thomas S.—*see* Budescu, David V.
Wann, John, Nimmo-Smith, Ian, and Wing, Alan M.—Relation Between Velocity and Curvature in Movement: Equivalence and Divergence Between a Power Law and a Minimum-Jerk Model 622
Warren, William H., Jr., Morris, Michael W., and Kalish, Michael—Perception of Translational Heading From Optical Flow 646
Watanabe, Takeo—Effect of Irrevelant Differences as a Function of the Relations Between Relevant and Irrelevant Dimensions in the *Same-Different* Task 132
Weinberg, Shalva—*see* Budescu, David V.
Wierda, Marcel—*see* de Jong, Ritske
Wing, Alan M.—*see* Wann, John
Wolford, George, Marchak, Frank, and Hughes, Howard—Practice Effects in Backward Masking 101

Yee, Penny—*see* Keele, Steven W.
Young, Christopher—*see* Fisher, Donald L.

Zelaznik, Howard N., Mone, Susan, McCabe, George P., and Thaman, Christopher—Role of Temporal and Spatial Precision in Determining the Nature of the Speed–Accuracy Trade-Off in Aimed-Hand Movements 221

OTHER

Acknowledgment 740
APA Buys Clinician's Research Digest 280
Articles Published in the Most Recent Issue of *JEP: Learning, Memory, and Cognition* 153, 323, 544, 739
Call for Nominations 36
Call for Nominations for Editor of *Behavioral Neuroscience* 314, 543
Calls for Nominations for *JCCP: Educational, JPSP: Attitudes,* and *JPSP: Interpersonal* 715
Cutting Appointed Editor of *JEP: Human Perception and Performance,* 1989–1994 88
Editor Named for APA's *Clinician's Research Digest* 590
Gallup Appointed Editor of *Journal of Comparative Psychology,* 1989–1994 59
Hunt Appointed Editor of *JEP: General,* 1990–1995 637

Inconsistencies and Aggravations: Word Processing Manuscripts in APA Style 294
Instructions to Authors 2, 162, 330, 738
Kintsch Appointed Editor of *Psychological Review,* 1989–1994 112
Members of Underrepresented Groups: Reviewers for Journal Manuscripts Wanted 23, 304, 378
1989 APA Convention "Call for Programs" 368
Rayner Appointed Editor of *JEP: Learning, Memory, and Cognition,* 1990–1995 609
Split of *JCCP*—New Section on Assessment 692